

KRASHENINNIKOV, V.A.; SOLOV'YEVA, M.N., otv. red.; PEYVE, A.V., akademik,
glavnyy red.; KUZNETSOVA, K.I., red.; MENNER, V.V., red.;
TIMOFEYEV, P.P., red.

[Zonal Paleogene stratigraphy of the eastern part of the
Mediterranean area.] Zonal'naya stratigrafiya paleogena
Vostochnogo Sredizemnomor'ia. Moskva, Nauka, 1965. 74 p.
(Akademiya nauk SSSR. Geologicheskii institut. Trudy, no.133)
(MIRA 18:8)

~~KRASHENINNIKOV, V.G.~~

KRASHENINNIKOV, V.G., kand.geogr.nauk.

Role of the merchant marine in coal transportations in the
U.S.S.R. unified transportation system; geographical and
transportation survey. Trudy TSNIIMF no.13:80-92 '57.

(MIRA 11:2)

(Coal—Transportation)

(Merchant marine)

(Inland water transportation)

KRASHENNIKOV, V.G.; STUPIN, O.K.

Annual transport planning and the operations of the fleet sailings
in foreign waters. Trudy TSNIIMF no.29:112-121 '60.

(MIRA 15:11)

(Shipping--Accounting)

L 61934-65

ACCESSION NR: AP5019079

UR/0286/65/000/012/0104/0104

AUTHORS: Krascheninnikov, V. G.; Zaslavskiy, S. Z.; Gumenik, S. A.

TITLE: Tachometer. Class 42, No. 1/2138

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 104

TOPIC TAGS: tachometer, magnetic method, transmission

ABSTRACT: This Author Certificate presents a tachometer containing a magnetic unit with a hand pointer and a reducer with a switch for subranges and a reversing mechanism (see Fig. 1 on the Enclosure). To increase the number of subranges, to increase the accuracy, and to broaden the range of measurements, the tachometer is provided with a mechanism in the form of a cam shaft activated by a connecting rod and carrying a rod with a gear which imparts additional transmission ratios to the reducer. Orig. art. has: 1 sectional drawing.

ASSOCIATION: Organizatsiya Leningradskogo sovnarkhoza (Enterprise of the Leningrad Sovnarkhoz)

SUBMITTED: 23Jul64

ENCL: 01

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

Card 1/2

61931-05
ACCESSION NR: AP5019079

ENCLOSURE: 01

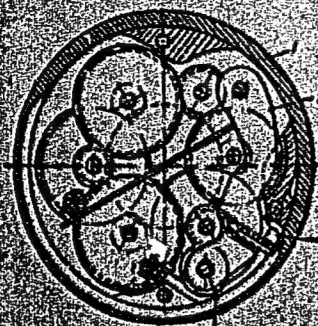


Fig. 1.

1- connecting rod; 2- cam shaft; 3- push cam; 4- gear

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KRASHENNINNIKOV, A., kand. tekhn. nauk

Problems in using polymers in construction. Zhil. stroi. no.1:15
'65. (MIRA 18:3)

KORYAKIN, Sergey Fedorovich, dotsent, kand.ekon.nauk; BERNSHTEYN, Iosif L'vovich, dotsent, kand.ekon.nauk; ELLINSKIY, Yuriy Fedorovich, starshiy prepodavatel'; DOLITSKIY, Ya.I., prof., doktor ekon.nauk, retsenzent; CHERKESOV-TSIBIZOV, A.A., starshiy prepodavatel', retsenzent; FROLOV, A.S., dotsent, kand.tekhn.nauk, retsenzent; KRUCHENKO, N.K., inzh., retsenzent; ZOLOTUKHIN, Yu.A., obshchiy red.. V redakirovani priimali uchastiye: OGANOV, N.K., dotsent, red.; DUBCHAK, V.Kh., inzh., red.; MARTIROSOV, A.Ye., inzh., red.; KHAR'KOV, G.I., starshiy nauchnyy sotrudnik, red.; KRASHENINNIKOV, V.G., dotsent, kand.ekon.nauk, red.; GEKHTBARG, Ye.A., inzh., red.; SHEGEGOLEV, G.G., inzh., red.; PRILUTSKIY, M.A., inzh., red.; KANTOR, L.M., dotsent, kand.ekon.nauk, red.; KUZ'MIN, T.P., inzh., red.; FILIPPOV, K.D., red.. KSENOFONTOVA, Ye.F., red.izd-va; TIKHONOVA, Ye.A., tekhn.red.

[Economics of water transportation] Ekonomika morskogo transporta. Pod obshchei red. I.U.A.Zolotukhina. Moskva, Izd-vo "Morskoi transport", 1959. 391 p. (MIRA 13:3)

(Shipping--Finance)

KRASHENINNIKOV, V.G.

Inland water transportation in the eastern regions of the Soviet
Union. Izv. Vses. geog. ob-va 93 no.4:312-319 J1 - Ag '61. (MIRA 14:7)
(Siberia, Eastern--Inland water transportation)
(Soviet Far East--Inland water transportation)

KRASHENINNIKOV, V. Ye.

"The Role of the Nerve Factor in the Mechanism of Tumor Immunity."
Dr Med Sci, Second Moscow State Medical Inst imeni I. V. Stalin,
Moscow, 1955. (KL, No 12, Mar 55)

SO: Sum. No. 670, 29 Sep 55—Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions (15)

KRASHENINNIKOV, Ye.; FREYNDLING, A.

Use of the O-30 heating units. Avt.transp. 41 no.11:22-23 N
'63. (MIRA 15:12)

PNYAZEV, V.I.; ~~KURSHENINNIKOV~~, Ye.A.; KURSHENKO, O.V.; KOTEN V, M.I.;
KOTEN ED, V.S.

Automatic unit for studying variations in the weight of specimens.
Zav. zap. 30 no.9:1150 '64. (MISA 18.3)

1. "Central'nyy nauchno-issledovatel'skiy institut Chernoy
metallurgii imeni Bardina.

KRASHENINNIKOV, Ye.M., kandidat tekhnicheskikh nauk.

Review of V.S. Demin and G.V. Savinskii's book "Tractors, automobiles
and engines in Soviet agriculture." Avt. i trakt.prom no.11:47 N '56.
(Automobiles) (Tractors) (MIRA 10:1)

KRASHENINNIKOV, Yevgeniy Mikhaylovich; MARKOV, Dmitriy Nazarovich;
FREYNDLING, Aleksandr Fedorovich; PANKRASHOV, A.P., red.;
PETROVA, O.B., tekhn.red.

[Machinery for lumber transportation; a brief manual] Leso-
transportnye mashiny; kratkii spravochnik. Petrozavodsk,
Gos.izd-vo Karel'skoi ASSR, 1958. 210 p. (MIRA 12:10)
(Lumber--Transportation)

KRASHENINNIKOV, Yevgeniy Mikhaylovich; PANERASHOV, A.P., red.;
POD"YEL'SKAYA, K.M., tekhn.red.

[Winter operation of logging tractors and trucks] Zimnaya
eksploatatsiya lesovoznykh traktorov i avtomobilei. Petro-
zavodsk, Izd-vo Karel'skoi ASSR, 1960. 107 p.

(MIRA 14:2)

(Tractors--Cold weather operation)
(Motortrucks--Cold weather operation)

ZAYTSEV, Yu.; KRASHENINNIKOV, Ye.M., dotsent, nauchnyy rukovoditel'

Analyzing the state of the narrow-gauge railroad of the Shuyskiy-Vidanskiy logging camp and measures for improving its maintenance and current repairs. Sbor. nauch. rab. stud. Petrozav. gos. un. no.6:113-121 '62. (MVA 17:11)

1. Kafedra tyagovykh mashin i remonta Petrozavodskogo gosudarstvennogo universiteta.

KRASHENINNIKOV, Yevgeniy Mikhaylovich; FREYNDLING, Aleksandr
Fedorovich; SHUBIN, Arkadiy Dmitriyevich; KOLCHANOV,
Boris Dmitriyevich; KOBZAB', Yevgeniy Porfir'yevich;
PANKHASHOV, A.P., red.; SHEVCHENKO, L.V., tekhn.red.

[Maintenance of machines at lumbering enterprises]
Tekhnicheskoe obsluzhivanie mashin na lesozagotovitel'-
nykh predpriyatiyakh. Pod red. E.M.Krasheninnikova.
Petrozavodsk, Karel'skoe knizhnoe izd-vo, 1963. 257 p.
(MIRA 16:10)

(Karelia--Lumbering--Machinery)

KRASHENINNIKOV, Yu.F.

Combating circulation losses in continuous low-pressure flow
of formation waters. Neft. khoz. 40 no.7:64-68 J1 '62.
(MIRA 17:3)

KRASHENINNIKOV, Yu.F., inzh.

Eliminating breakdowns with the help of a vibrator. Neftianik
5 no.8:17 Ag '60. (MIRA 14:8)

1. Kontora bureniya No.4 Kuybyshevskogo sovnarkhoza.
(Boring machinery)

MAKHOVKO, V.V., professor; TORIN, A.N.; KOROBOVA, T.B.; KRASHENINNIKOVA, A.I.;
LAPINA, V.F.; SMIRNOVA, Ye.I.; SUKHACHEV, N.O.; ZHEGALOV, S.B.

[Practical work in general biology for medical schools] Praktikum po
obshchei biologii dlia medvuzov. Moskva, Medgiz, 1953. 294 p. (MLRA 7:1)
(Biology)

KRASHENINNIKOVA, A.I.

Chemical composition and digestability of the carbohydrate-lignin complex contained in field wastes and feed mixtures of cotton.
Izv. AN Turk. SSR. Ser. biol. nauk no.2:67-70 '61. (MIRA 14:7)

1. Turkmenskiy nauchno-issledovatel'skiy institut zhivotnovodstva i veterinarii Ministerstva sel'skogo khozyaystva Turkmenkoy SSR.
(COTTON WASTE AS FEED)

* KRASHENINNIKOVA, A.L., inzh.; ROMASHKEVICH, L.F., inzh.; SHISHKINSKIY, V.I., inzh.

Automatic control of strip cutting. Mekh. i avtom. proizv. 17
no.12:6-7 D'63. (MIRA 17:2)

18 (3)

SOV/112-57-5-10645

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 5, p 156 (USSR)

AUTHOR: Zarezankov, G. Kh., Krashenninnikova, A. L.

TITLE: Automatic Monitoring of Metal Dimensions in the Process of Rolling
(Avtomaticheskiy kontrol' razmërov metalla v protsesse prokatki)

PERIODICAL: Byul. Tsentr. in-ta inform. M-va chernoy metallurgii, 1956,
Nr 4, pp 50-55

ABSTRACT: Three photoelectronic methods for size measurements are described:
(1) Metal band width is measured as the difference of its two edge positions, which are determined by two photoelectronic follower systems whose resistor pickups are connected to the size recorder. Glow of the hot metal or illumination of the cold metal is used. The error is under ± 2.5 mm with a width of 1,000 mm. (2) The body being measured and a movable diaphragm are placed in two luminous fluxes. Unobstructed parts of the luminous fluxes are balanced by the diaphragm movement controlled by a flux-difference amplifier. Use of

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Automatic Monitoring of Metal Dimensions in the Process of Rolling

uniform parallel opposite-phase-modulated luminous fluxes tends to decrease the error. (3) A linear sweep of the body image in a parallel luminous flux is used to produce a pulse in a phototube; the pulse duration and its mean voltage determine the body size. To increase the accuracy of measurement, differentiation and signal limiting as well as a two-direction sweep are used.

G.Kh. Z.

Card 2/2

ORNATSKAYA, V.M.; KRASHEMINNIKOVA, G.V.; LGALOV, V.G., red. [deceased];
KACHEROVSKIY, N.V., red.

[Calculating shear strength of reinforced concrete building
elements] К вопросу расчёта элементов железобетонных кон-
струкций на сдвигание. Под ред. В.Г.Лгалова. Москва, 1957.
25 p. (Reinforced concrete) (Shear (Mechanics)) (MIRA 12:4)

KRASHENINNIKOVA, Galina Vladimirovna; SOKOL'SKIY, M.M., nauchn.
red.

[Calculation of beams with resilient foundations of
finite depth] Raschet balok na uprugom osnovanii ko-
nechnoi glubiny. Moskva, Izd-vo "Energiia," 1964. 97 p.
(MIRA 17:6)

SAMARIN, I.K.: KRASHENINNIKOVA, G.V.

Designing beams on compressed layers. Osn.fund.i mekh.grun. 2
no.2:23-24 '60. (MIRA 13:8)
(Foundations)

SYSOYEV, P.V., inzh., red.; CHIKHACHEV, N.A., inzh., red.;
KRASHENINNIKOVA, G.V., inzh., nauchnyy red.; PROSKURYAKOV,
A.V., inzh., red.; UTKIN, A.V., inzh., red.; SUKHAREVA, R.A.,
red.; SITNIKOV, L.P., red.; KUDYAVITSKAYA, A.A., tekhn.
red.

[The established classes of patent licenses and certificates
granted to Soviet inventors; an index divided into subclasses,
groups, and subgroups] Ukazatel' klassov avtorskikh svidetel'stv
i patentov, vydavaemykh v SSSR, s podrazdeleniem ikh na pod-
klassy, grupy i podgruppy. Moskva, TSentr. biuro tekhn. in-
formatsii, 1962. 820 p. (MIRA 15:11)

1. Russia (1923- U.S.S.R.) Komitet po delam izobreteniy i ot-
krytiy.

(Patent licenses)

KRASHENINNIKOVA, I.M.; PODKIN, Ye.A.; SOKOLOV, V.I.

Attachment to a PMT-3 device for automatic loading. Zav. lab.
30 no.9:1138-1139 '64. (MIRA 18:3)

1. Institut poluprovodnikov AN SSSR.

ACCESSION NR: AR4032161

S/0058/64/000/002/A019/A019

SOURCE: Ref. zh. Fiz., Abs. 2A192

AUTHORS: Krashenninikov, I. S.; Kurochkin, S. S.; Shalgin, Yu. M.;
Sterligov, D. A.

TITLE: System for centralized control of statistical parameters

CITED SOURCE: Tr. 5-y Nauchno-tekhn. konferentsii po yadern. radio-
elektronike. T. 2. Ch. 2. M., Gosatomizdat, 1963, 123-134

TOPIC TAGS: statistical parameter, centralized control, multiple
pickup monitor, pickup intensity deviation identification, magnetic
drum memory, two level recording, multichannel control, dosimetric
control

TRANSLATION: The operation of a system for centralized control of a
large number of objects of the same type is analyzed. The control

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ACCESSION NR: AR4032161

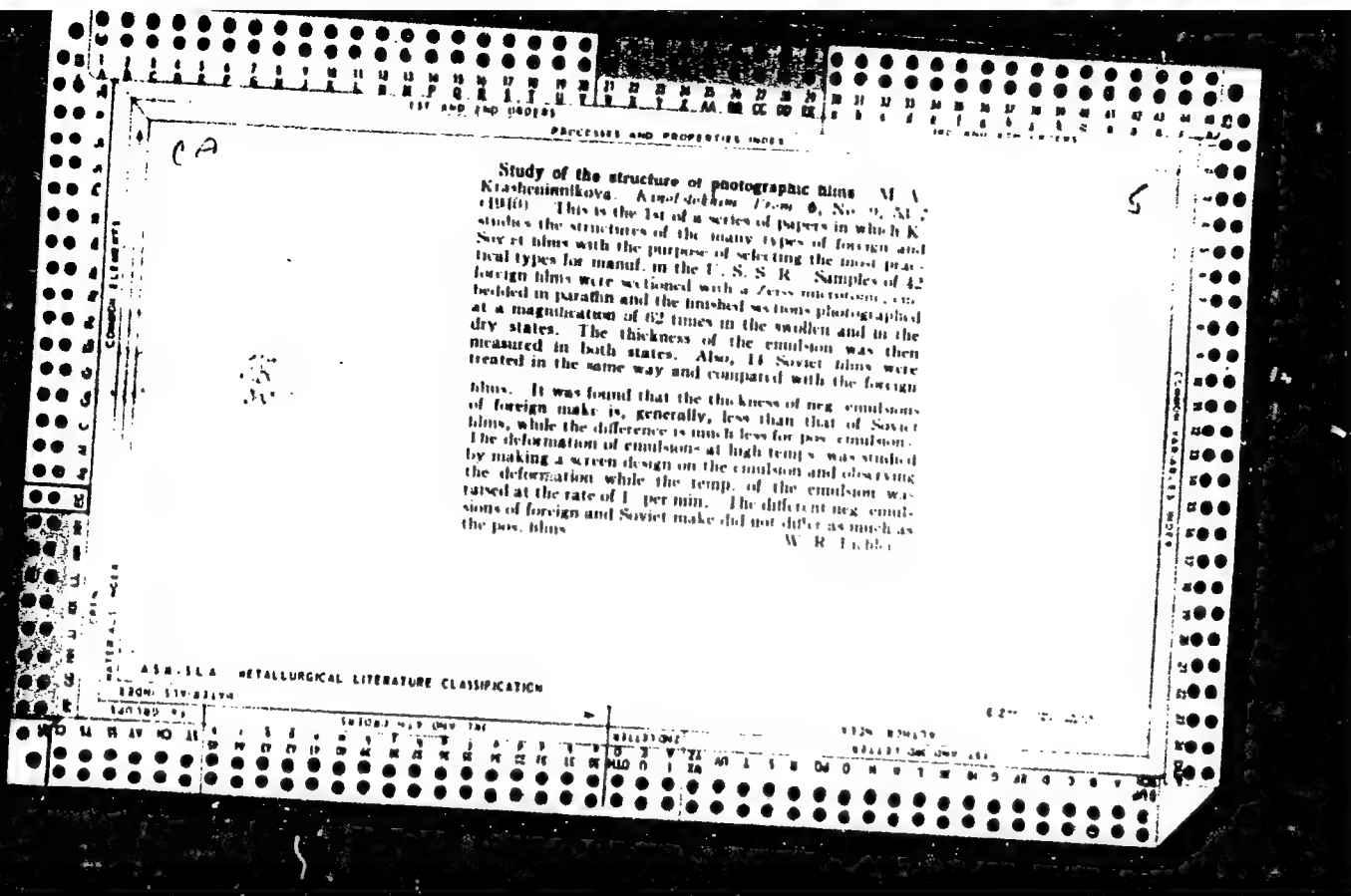
parameter is the intensity of pulses from pickups, which number 600 in this case. The system registers deviations of the monitored intensities from normal and records the number of the pickup in which this deviation takes place. The period of scanning the monitored objects is 30 minutes. The system is suitable for an average pickup pulse intensity ~100 pulses/sec. The number of pickups which are read simultaneously is 256. Access to any one group of pickups is by applying the supply voltage to their electrodes. The main block of the control system is a magnetic drum memory unit capable of storing 50,000 bits of information. The drum has 80 tracks and recording is at two levels with a 30 kcs timing frequency. The block diagrams of the main units are given. The use of the system for multichannel control (for example, dosimetric control) can increase the control accuracy and decrease the quantity of electronic equipment per control point. Yu. Semenov.

DATE ACQ: 31Mar64

SUB CODE: SD, PH

ENCL: 00

Card 2/2



KRASHENINNIKOVA, M.V.

USSR

Field of dye in color development. V. B. Chel'tsov, A. N. Iordanskiy, M. V. Krasheninnikova, and B. A. Bogdanov. *Uspekhi Nauk. Fiz. Khim. Nauk S.S.R., Otdel. Khim. Nauk* 2, 48-55 (1954).—The relative photographic yield of the dye was detd. rather than the mol. yield. The yield was expressed as D_1/D_{10} , the ratio of optical d. of the dye (found for monochromatic light with wave length corresponding to max. of absorption) to optical d. of corresponding Ag image. The influence of concn. of developing agents, diffusing components, and Na_2SO_4 was studied. The effect of different components and influence of developing were studied. With increase of developing time, the contrast of the dye image increased faster than that for the Ag image. Relative photographic yield depended on the properties of the emulsion and developing conditions of the Ag image.
Eustill Meyerle

Alchemilla sp. III. *Alchemilla* drya from 2-alkyl-1-carboxy- and diethyl-2-benzoylmalate (I), 5-*pyrrolidino* (AI)-Under Chem. Inst. V. Krashinsky and O. I. Arsenov (Chimskii Zvezd. 24, 308-31 (1950); Leningrad). $\text{Zlcy} = \text{C}_4\text{H}_9$, $\text{C}(\text{O})\text{N}(\text{CH}_2\text{CH}_3)_2$, C_6H_5 , C_6H_5 . Heating 6.1 g. polymide salt (dried) from 19.0 g. Na, 2 ml. H_2O with CH_3 and heating 14 hrs. in a steam bath, adding 3.06 g. NaOH , exp. of the pvc. soln. on cooling, acidification with HCl , and acidification with NaOH ; removal of the benzoylmalic acid, m. 298-301° (Grade), 300-3° (from NaOH). This (3.1 g.) treated at 0-5° with 40% NaOH (exp. with 16.6 ml. 18% NaOCl) gave Ag 2-cylo-3-*H*O, treated at 0° with 5 ml. NaH , H_2O in 2 ml. CH_3 , acidified after 12 hrs. with HCl in 4 ml. H_2O , then heating 74% 2-benzoyl-1-benzoylmalic acid, m. 298-300° (Grade). This (0.03 mole) in 25 ml. H_2O treated with 7.8 g. 18% NaOCl , the suspension with HCl treated 2.4-4 hrs. with 10 ml. NaOH , and acidified with HCl yielded the corresponding 1-carboxy-2-benzoylmalic acid, m. 298-300° (Grade). The products were dried from NaOH , NaH , or NaOH . Crystals were precip. and dec. of 2-benzoylmalic acid, m. 298-300°.

Salvia T. P. Kochenauer, M.V., arborvitae, G.I.
 beim (Prüfung und Schneider, East Ger. Pat. 1273).
 These were obtained the following I. (Substituents)
 Chemical group. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 82

[illegible][illegible]
$$\frac{2}{2}$$

PORTNAYA, B.S.; BOBKOVA, T.P.; KRASHENINNIKOVA, M.V.; CHEL'TSOV, V.S.;
LEVKOYEV, I.I.

Studies in the field of azomethine dyes. Part 4: Indoaniline dyes
derivatives of 1,2-hydroxynaphthoic acid anides containing hetero-
cyclic residues in the presence of nitrogen amide. Trudy NIKFI no.
40:106-118 '60. (Indoaniline)(Dyes and dyeing) (MIRA 15:2)

2
S/058/63/000/003/045/104
A062/A101

AUTHORS: Portnaya, B. S., Solov'yeva, I. A., Turitsyna, N. F., Levkoyev, I. I.,
Chel'tsov, V. S., Krasheninnikova, M. V., Bobkova, T. P., Tkachen-
ko, T. G.

TITLE: On the properties of masking color components of arylazo derived
pyrazolones (5) and anilides of 1,2-oxynaphthoic acid

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 86, abstract 3D584
("Uspekhi nauchn. fotogr.", 1962, v. 8, 35 - 43)

TEXT: An investigation was made on the dependence of the color photographic
properties of some arylazo derived pyrazolones and anilides of 1,2-oxynaphthoic
acid on the nature and position of the substitution agents in the arylazo-group.
It is established that the phenyl derivatives of pyrazolones and of 1,2-oxynaph-
thoic acid are compounds considerably less susceptible of reaction in the condi-
tions of color developing than the initial purple and pale blue components. The
entry of electropositive substitution agents into the phenylazo-group somewhat
increases the reaction capacity of the components, the most favorable influence

Card 1/2

On the properties of masking color components...

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A062/A101

then being shown by the oxy-group in the position 4. Electronegative substitution agents in the phenylazo-group of masking pale blue components cause a sharp decrease of the activity, and in the case of derivatives of 3-alkylpyrazolone they may show also a favorable influence. Some of the obtained compounds may be employed for preparing negative and contratype masking color motion-picture materials. It is shown that arylazo-derivatives of 3-alkyl- and 3-acylamino-pyrazolone usually absorb the light of the blue-violet range (maximum of absorption 400 - 420 mμ). The entry of strong electron donor substitution agents into the phenylazo-group causes an appreciable deepening of their coloration. The absorption spectra of the masking pale blue components of the derivatives of 1,2-oxynaphthoic acid include the blue-violet and partially the green portion of the spectrum and in many cases they consist of two bands whose relative intensity may change strongly according to the nature and position of the substitution agents in the arylazo-group. A particularly sharp increase of the absorption intensity in the blue-violet range takes place in the case of 2-methyl- and 2-chlorophenylazo derivatives. It is established that the majority of the investigated masking purple and pale blue components at pH 5 are, as a rule, stable enough in respect to solutions containing ferricyanic potassium. In alkaline bleaching solutions their stability strongly decreases.
[Abstracter's note: Complete translation]

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